



Industry Tech Taster

INDUSTRY FOCUS AREA:	Advanced Manufacturing, Food & Fibre, Health
VICTORIAN CURRICULUM LINKS:	Digital Technologies, Personal and Social Capability, Critical and Creative Thinking
TECHNOLOGY USED:	3d design, Laser Cutting, Virtual Reality, Robotics, Coding
YEAR LEVEL:	Year 7
DURATION:	1 Day
LEVEL:	Beginner
MAX STUDENTS:	30

Introduction

Technology is a disruptive force which has always led to changes in the way that people work and the types of jobs that are in demand. This change is happening more and more rapidly with the increased pace of technological development. We have seen rapidly changing technology and a reduction in traditional industries have a dramatic impact on Gippsland. This means that today's students need to develop skills that will allow them to be adaptable and to meet unforeseen challenges and opportunities in their lives. They also need to be open to new experiences and to have an understanding of how the world of work is changing around them.

Program Summary

Students will be provided with an introduction to how technology is influencing and changing many of the local industries in Gippsland. They will learn about the change technology is causing before rotating through a brief session about three major technologies; 3d design and laser cutting in advanced manufacturing, virtual reality training programs in food and fibre, and robotics in the health industry. The day will also include information on the changing workforce from the Foundation for Young Australians.

Taking part in this program, students will collaboratively:

- Explore how technology is disrupting the traditional workforce
- Explore how the skills and knowledge desired by employers is changing
- Use 3d design software to create a model for laser cutting
- Take part in a virtual reality training program
- Program a robot to perform a simple task
- Explore future education and career opportunities

Career Links:

Designers: Civil Engineer, Product Tester, Electrical Engineer
Technologists: Programmer, Software Engineer, ICT Analyst

<https://www.fya.org.au/wp-content/uploads/2016/11/The-New-Work-Mindset.pdf>

